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D is selected from the group consisting of C₂ - C₆ alkylene and C₂ - C₆ alkenylene, where the double bond may also join D and E;

E is selected from the group consisting of pyrrolidine, piperidine, hexahydroazepine, and morpholine; and

G is selected from the group consisting of benzyl, phenethyl, fluorenylmethyl, anthrylmethyl, diphenylmethyl, fluorenyl, dihydrotetrahydrocycloheptenyl, furylmethyl, thienylmethyl, thiazolylmethyl, pyridylmethyl, benzothienylmethyl, quinolylmethyl, phenylthienylmethyl, phenylpyridylmethyl, dihydronaphthaleneoxepinyl, dihydronaphthaleneepinyl, acetyl, pivaloyl, phenylacetyl, diphenylacetyl, diphenylpropionyl, naphthylacetyl, benzoyl, naphthoyl, anthrylcarbonyl, oxofluorenylcarbonyl, oxodihydroanthrylcarbonyl, dioxodihydroanthrylcarbonyl, furoyl, pyridylcarbonyl, chromonylcarbonyl, quinolylcarbonyl, naphthylaminocarbonyl, dibenzylaminocarbonyl, benzylphenylaminocarbonyl, diphenylaminocarbonyl, indolin-1-ylcarbonyl, dihydronaphthaleneazepinyl-N-carbonyl, tetrahydroquinolinyl-N-carbonyl, tetrahydronaphthaleneazepinyl-N-carbonyl, methanesulfonyl, benzenesulfonyl, p-toluenesulfonyl, naphthalenesulfonyl, quinolinesulfonyl, and diphenylphosphinoyl, where the or each aromatic ring system may be independently substituted with one to three substituents selected independently from the group consisting of halogen, cyano, C₁ - C₆ alkyl, trifluoromethyl, C₃ - C₈ cycloalkyl, phenyl, benzyl, hydroxy, C₁ - C₆ alkoxy (optionally partially or completely fluorinated), benzyloxy, phenoxy, mercapto, C₁ - C₆ alkylthio, carboxy, C₁ - C₆ alkoxycarbonyl, benzyloxycarbonyl, nitro, amino, C₁ - C₆ alkylamino, and di(C₁ - C₆ alkyl)amino, or two adjacent substituents together form methylenedioxy.

D5 cont

REMARKS

Entry of this amendment is respectfully requested. No new matter is added by the amendment, because the amended application is fully supported by the application as filed.

Claims 32 - 52 are in this application; no claims having been cancelled, claims 37, 39, 40, 42-46, 48, and 19 having been amended, and claims 50 - 52 having been added by this amendment.

The amendment:

- (1) corrects the dependency of claims 37 and 48 so that the case where the compound having vitamin PP activity is tryptophan is dependent only on a claim where the compound is not defined as being of formulae II through Vb (claims 32 and 51 respectively);
- (2) adds a new claim 50, dependent from claim 38, further limiting the scope of the cancerostatic/immunosuppressive agents of formula I to those of formula Ia (see pages 26 - 28 of the specification), and amends claims 39 and 40 to be dependent from that new claim 50;
- (3) adds a new claim 51 in which the compound having vitamin PP activity is defined only in that way and not as being of formulae II through Vb, as in claim 41;
- (4) adds a new claim 52 in which the compound of formula I is further limited to a compound of formula Ia; and

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(5) amends the dependency of claims originally dependent on claim 41 (except claim 48) to make them dependent on claim 52, and modifies "formula I" to "formula Ia" where needed.

Claims reading on the elected species [where the compound having vitamin PP activity is nicotinamide and the cancerostatic/immunosuppressive compound is N-[4-(1-benzoylpiperidin-4-yl)-butyl]-3-(pyridin-3-yl)acrylamide] are claims 32-36, 38-47, and 49-52.

The Examiner is thanked for the courtesy of a telephonic interview in early September at which this application was discussed.

In that interview, Applicants' attorney advised the Examiner that he believed that the Office Action was defective in that the Examiner had failed to examine the elected species by not examining the cancerostatic/immunosuppressive compounds of formula I where E and G is a heterocycle, since the elected compound is one in which E is piperidin-4-yl, which is heterocyclic.

Applicants respectfully request that the Office Action be withdrawn and that a new Office Action be issued in which the elected species is examined.

To simplify further examination, Applicants have responded to the formal rejections of claims 37 and 48 made in the Office Action and have introduced further claims free of the term "functional group" that was the basis for the rejection of claims 38-40.

Conclusion

Attached hereto is a marked up copy of the changes made to the application by the current amendment. The attached pages are captioned "Amendments to show changes made".

Entry of the amendment, and issuance of a new Office Action are respectfully requested.

Respectfully submitted,

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Amendments to show changes made
(Additions underlined, deletions in strikethrough)

Claims 37, 39, 40, 42-46, 48, and 49:

37.(Amended) The method of claim 32 ~~35~~ where the compound having vitamin PP activity or a prodrug thereof is tryptophan.

39.(Amended) The method of claim 50 ~~38~~ where the cancerostatic or immunosuppressive agent is selected from the group consisting of

N-[2-(1-benzylpiperidin-4-yl)ethyl]-3-(pyridin-3-yl)propionamide;
N-{2-[1-(2-phenylethyl)piperidin-4-yl]ethyl}-3-(pyridin-3-yl)-propionamide;
N-{2-[1-(4-phenylbutyl)piperidin-4-yl]ethyl}-3-(pyridin-3-yl)-propionamide;
N-{2-[1-(4-hydroxy-4-phenylbutyl)piperidin-4-yl]ethyl}-3-(pyridin-3-yl)propionamide;
N-[2-(1-diphenylmethylpiperidin-4-yl)ethyl]-3-(pyridin-3-yl)-propionamide,
N-[3-(1-diphenylmethylpiperidin-4-yl)propyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-benzylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(2-phenylethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)-acrylamide;
N-{4-[1-(4-biphenylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(1-naphthylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(9-anthrylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(cyclohexylphenylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)-acrylamide;
N-[2-(1-diphenylmethylpiperidin-4-yl)ethyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(1-diphenylmethylpiperidin-4-yl)propyl]-3-(pyridin-3-yl)acrylamide;
N-[5-(1-diphenylmethylpiperidin-4-yl)pentyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(1-diphenylmethylpiperidin-4-yl)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-(4-{1-[bis(4-fluorophenyl)methyl]piperidin-4-yl}butyl)-3-(pyridin-3-yl)acrylamide;
N-(4-{1-[bis(2-chlorophenyl)methyl]piperidin-4-yl}butyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(2-fluoro-pyridin-3-yl)acrylamide;

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N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(6-fluoro-pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide dihydrochloride;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide methanesulfonate;
N-[4-(1-acetyl piperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-benzoylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylacetyl piperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-{4-[1-(9-oxo-9H-fluoren-4-carbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-methylsulfonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-{4-[1-(2-naphthylsulfonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-benzylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-(4-{1-[bis(2-chlorophenyl)methyl]piperidin-4-yl}butyl)-3-(pyridin-3-yl)propionamide;
N-{4-[1-(phenylpyridin-3-ylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[1-(9H-fluoren-9-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[1-(6,11-dihydrodibenzo[b,e]oxepin-11-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[1-(1-naphthylaminocarbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylaminocarbonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-{4-[1-(10,11-dihydrodibenzo[b,f]azepin-5-yl-carbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)-propionamide;
N-[4-(1-diphenylphosphinoylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(2-fluoropyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(5-fluoropyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-2-fluoro-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-2,2-difluoro-3-(pyridin-3-yl)propionamide;
N-[5-(1-diphenylmethylpiperidin-4-yl)pentyl]-3-(pyridin-3-yl)propionamide;
N-[6-(1-diphenylmethylpiperidin-4-yl)hexyl]-3-(pyridin-3-yl)propionamide;
N-[2-(1-diphenylmethylpiperidin-4-yl)ethyl]-5-(pyridin-3-yl)pentanoic acid amide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)pentanoic acid amide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-N-hydroxy-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-2-hydroxy-3-(pyridin-3-yl)propionamide;
N-{4-(1-diphenylmethylpiperidin-4-yl)butyl}-3-hydroxy-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;

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N-[4-(1-methylsulfonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(2-naphthylsulfonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(2-naphthylsulfonyl)piperidin-4-yl]butyl}-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[1-(1-naphthylaminocarbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylaminocarbonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylaminocarbonylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[1-(10,11-dihydrodibenzo[b,f]azepin-5-yl-carbonyl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)-acrylamide;
N-[4-(1-diphenylphosphinoypiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-acetyl)piperidin-4-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylacetyl)piperidin-4-yl]-butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(3,3-diphenylpropionyl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(1-benzoylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-benzoylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[1-(9-oxo-9H-fluoren-4-ylcarbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(phenylpyridin-3-ylmethyl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(phenylpyridin-4-ylmethyl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(6,11-dihydrodibenzo[b,e]oxepin-11-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(6,11-dihydrodibenzo[b,e]thiepin-11-yl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)acrylamide;
N-[7-(1-diphenylmethyl)piperidin-4-yl]heptyl]-3-(pyridin-3-yl)acrylamide;
N-[8-(1-diphenylmethyl)piperidin-4-yl]octyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(1-diphenylmethyl)piperidin-4-yloxy]propyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(1-benzyl)piperidin-4-yloxy]propyl]-3-(pyridin-3-yl)acrylamide;
N-[2-(1-diphenylmethyl)piperidin-4-yl]ethyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[5-(1-diphenylmethyl)piperidin-4-yl]pentyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[6-(1-diphenylmethyl)piperidin-4-yl]hexyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[4-(4-diphenylmethyl)piperazin-1-yl]-3-hydroxybutyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(4-diphenylmethyl)piperazin-1-yl]propoxy]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-diphenylmethyl)piperazin-1-yl]-4-oxobutyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(4-diphenylmethyl)piperazin-1-sulfonyl]propyl]-3-(pyridin-3-yl)acrylamide;
N-{2-[2-(4-diphenylmethyl)piperazin-1-yl]ethoxy}ethyl]-3-(pyridin-3-yl)acrylamide;

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N-(4-{4-[bis(4-fluorophenyl)methyl]piperazin-1-yl}but-2-enyl)-3-(pyridin-3-yl)acrylamide;
N-(4-{4-[(4-carboxyphenyl)phenylmethyl]piperazin-1-yl}butyl)-3-(pyridin-3-yl)acrylamide;
N-(4-{4-[(4-aminophenyl)phenylmethyl]piperazin-1-yl}butyl)-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(9H-fluoren-9-yl)piperazin-1-yl]butyl}-2-(pyridin-3-yloxy)acetamide;
N-{5-[4-(9H-fluoren-9-yl)piperazin-1-yl]pentyl}-3-(pyridin-3-yl)acrylamide;
N-{6-[4-(9H-fluoren-9-yl)piperazin-1-yl]hexyl}-3-(pyridin-3-yl)acrylamide;
3-(pyridin-3-yl)-N-{4-[4-(1,2,3,4-tetrahydronaphthalen-1-yl)piperazin-1-yl]butyl}acrylamide;
3-(pyridin-3-yl)-N-{4-[4-(5,6,7,8-tetrahydronaphthalen-1-yl)piperazin-1-yl]butyl}acrylamide;
N-{4-[4-{naphthalen-1-yl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(4-biphenyl-2-yl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)propionamide;
N-[5-(4-biphenyl-2-yl)piperazin-1-yl]pentyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(4-biphenyl-2-yl)piperazin-1-yl]hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-biphenyl-2-yl)piperazin-1-yl]butyl]-2-(pyridin-3-yloxy)acetamide;
N-[4-(4-biphenyl-2-yl)piperazin-1-yl]butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)-
propionamide;
N-{5-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]pentyl}-3-(pyridin-3-yl)-
acrylamide;
N-{6-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]hexyl}-3-(pyridin-3-yl)-
acrylamide;
N-{4-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]butyl}-5-(pyridin-3-yl)-
2,4-pentadienic amide;
N-{4-[4-(6,11-dihydronaphthalen-1-yl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{2-[4-(6,11-dihydronaphthalen-1-yl)piperazin-1-yl]ethyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(4-diphenylacetyl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-benzoylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(2-aminobenzoyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(4-carboxybenzoyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(biphenyl-2-carbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(9-oxo-9H-fluoren-4-carbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(furan-2-carbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(naphthalen-1-ylaminocarbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)propionamide;

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N-[4-[4-(diphenylaminocarbonyl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(naphthalen-2-sulfonyl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-diphenylphosphinonylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-biphenyl-2-ylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(9H-fluoren-9-yl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)-acrylamide;
N-[4-(4-phenylpiperidin-1-yl)-butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(1H-indol-3-yl)piperidin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(2-oxo-2,3-dihydrobenzimidazol-1-yl)piperidin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-benzotriazol-1-ylpiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]-2-(pyridin-3-yloxy)acetamide;
N-[4-(4,4-diphenylpiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(6,11-dihydrodibenzo[b,e]thiepin-11-yliden)piperidin-1-yl]butyl]-3-(pyridin-3-yl)propionamide dihydrochloride semi-isopropanol;
N-[4-[4-(6,11-dihydrodibenzo[b,e]thiepin-11-yliden)piperidin-1-yl]butyl]-5-(pyridin-3-yl)pentanamide;
N-[4-[4-(4,9-dihydrothieno[2,3-b]benzo[e]thiepin-4-yliden)piperidin-1-yl]butyl]-3-(pyridin-3-yl)-propionamide;
N-[4-[4-(4,9-dihydrothieno[2,3-b]benzo[e]thiepin-4-yliden)piperidin-1-yl]butyl]-3-(pyridin-3-yl)-acrylamide;
N-[4-(4-diphenylphosphinoyloxypiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,4-dioxa-8-azaspiro[4.5]dec-8-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,6-dioxo-4-phenylpiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3-dioxo-4,5,6,7-tetraphenyl-1,3-dihydroisoindol-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(3-benzyl-2,4,5-trioxoimidazolidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3,10-trioxo-1,4,5,6,10,10a-hexahydroacenaphtho[1,8a-c]pyrrol-2-yl)butyl]-3-(pyridin-3-yl)-acrylamide;
N-[4-(2,5-dioxo-4,4-diphenylimidazolidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,5-dioxo-3-phenyl-2,5-dihydropyrrol-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)propyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(3-pyridin-3-ylacryloylamino)butyl]-2,3:5,6-dibenzobicyclo[2.2.2]octan-7,8-dicarboximide;

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N-[4-(5-benzyliden-2,4-dioxothiazolidin-3-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-benzyl-2,6-dioxopiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1,3-dioxo-1,3-dihydroisoindol-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)butyl]-3-(1-oxopyridin-3-yl)acrylamide;
N-[6-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[2-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)ethyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[8,8-bis(4-fluorophenyl)octyl]-3-(pyridin-3-yl)acrylamide hydrochloride;
N-[6-(3,3-diphenylureido)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-phenyl-1,2,4,5-tetrahydrobenzo[d]azepin-3-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-(8,8-diphenyloctyl)-3-(pyridin-3-yl)acrylamide;
N-(8-hydroxy-8,8-diphenyloctyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(3,3-diphenylureido)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1H,3H-benzo[de]isoquinolin-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(10,11-dihydrodibenzo[b,f]azepin-5-ylcarbonylamino)hexyl]-3-(pyridin-3-yl)acrylamide;
3-(pyridin-3-yl)-N-[6-tosylaminohexyl]acrylamide;
N-[4-(1,1-dioxo-1-thia-2-azaacenaphthylen-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-(6-hydroxy-6,6-diphenylhexyl)-3-(pyridin-3-yl)acrylamide;
N-(6,6-diphenylhex-5-enyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(4,5-diphenylimidazol-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(trans-2-phenylcyclopropylcarbonylamino)butyl]-3-(pyridin-3-yl)acrylamide;
N-(5-hydroxy-5,5-diphenylpentyl)-3-(pyridin-3-yl)acrylamide;
N-(7-phenylheptyl)-3-(pyridin-3-yl)acrylamide;
N-(4-diphenylacetylaminobutyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(benzhydrylaminoo)butyl]-3-(pyridin-3-yl)acrylamide; and
N-[4-{[2-(benzhydrylmethylamino)ethyl]methylamino}butyl]-3-(pyridin-3-yl)acrylamide.

40.(Amended) The method of claim 50 38 comprising the additional administration of a further cancerostatic or immunosuppressive agent that is not a compound of formula Ia †.

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42.(Amended) The composition of claim 52 44 comprising a further cancerostatic or immunosuppressive agent that is not a compound of formula Ia I.

43. The composition of claim 52 44 where the compound(s) of formula Ia I and the compound(s) of formula II - Vb are contained separately within the composition.

44. The composition of claim 52 44 where the compound(s) of formula Ia I and the compound(s) of formula II - Vb are present in separate dosage forms, and the dosage forms are packaged together for co-administration.

45. The composition of claim 52 44 where:

R²¹ is selected from the group consisting of hydrogen, halogen, cyano, C₁₋₆ alkyl, trifluoromethyl, C₁₋₆ hydroxyalkyl, hydroxy, C₁₋₆ alkoxy, C₂₋₇ alkanoyloxy, C₁₋₆ alkylthio, C₁₋₆ aminoalkyl, amino, C₁₋₆ alkylamino, di(C₁₋₆ alkyl)amino, formyl, alkoxycarbonyl, aminocarbonyl, (C₁₋₆ alkyl)aminocarbonyl, di(C₁₋₆ alkyl)aminocarbonyl, and carboxy;

R²² is selected from the group consisting of hydrogen, halogen, C₁₋₆ alkyl, trifluoromethyl, C₁₋₆ hydroxyalkyl, hydroxy, alkoxy, C₂₋₇ alkanoyloxy, C₁₋₆ aminoalkyl, amino, (C₁₋₆ alkoxy)carbonyl, aminocarbonyl, and carboxy;

R²³ is selected from the group consisting of hydrogen, C₁₋₆ alkyl, and C₁₋₆ hydroxyalkyl;

R²⁴ is selected from the group consisting of C₁₋₆ alkyl, C₃₋₆ alkenyl, C₂₋₆ hydroxyalkyl, C₂₋₆ alkoxyalkyl, and benzyl;

R²⁶ is selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₁₋₆ hydroxyalkyl, C₃₋₆ alkoxyalkyl, C₁₋₆ aminoalkyl, C₄₋₁₂ dialkylaminoalkyl, and carboxymethyl;

when b is 1, R²⁷ is selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₁₋₆ hydroxyalkyl, C₃₋₆ alkoxyalkyl, C₁₋₆ aminoalkyl, C₄₋₁₂ dialkylaminoalkyl, and carboxymethyl;

when b is 2, R²⁷ is C₂₋₁₀ alkylene in which a methylene group is optionally replaced by O, NH, or N-alkyl.

46. The composition of claim 52 44 where the compound having vitamin PP activity or a prodrug thereof is selected from the group consisting of nicotinic acid, nicotinamide, and their pharmaceutically acceptable ester and amide derivatives, anionic, quaternary, and addition salts, N-oxides, and analogous thioxo derivatives, their isomers, and prodrugs thereof.

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48.(Amended) The composition of claim 51 46 where the compound having vitamin PP activity or a prodrug thercof is tryptophan.

49. The composition of claim 52 44 where the compound(s) of formula Ia are ~~cancerostatic or immune-suppressive agent~~ selected from the group consisting of
N-[2-(1-benzylpiperidin-4-yl)ethyl]-3-(pyridin-3-yl)propionamide;
N-{2-[1-(2-phenylethyl)piperidin-4-yl]ethyl}-3-(pyridin-3-yl)propionamide;
N-{2-[1-(4-phenylbutyl)piperidin-4-yl]ethyl}-3-(pyridin-3-yl)propionamide;
N-{2-[1-(4-hydroxy-4-phenylbutyl)piperidin-4-yl]ethyl}-3-(pyridin-3-yl)propionamide;
N-[2-(1-diphenylmethyl)piperidin-4-yl]ethyl]-3-(pyridin-3-yl)propionamide,
N-[3-(1-diphenylmethyl)piperidin-4-yl]propyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-benzylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(2-phenylethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(4-biphenylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(1-naphthylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(9-anthrylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(cyclohexylphenylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-[2-(1-diphenylmethyl)piperidin-4-yl]ethyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(1-diphenylmethyl)piperidin-4-yl]propyl]-3-(pyridin-3-yl)acrylamide;
N-[5-(1-diphenylmethyl)piperidin-4-yl]pentyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(1-diphenylmethyl)piperidin-4-yl]hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-(4-{1-[bis(4-fluorophenyl)methyl]piperidin-4-yl}butyl)-3-(pyridin-3-yl)acrylamide;
N-(4-{1-[bis(2-chlorophenyl)methyl]piperidin-4-yl}butyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-3-(2-fluoro-pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-3-(6-fluoro-pyridin-3-yl)acrylamide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-3-(pyridin-3-yl)acrylamide dihydrochloride;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-3-(pyridin-3-yl)acrylamide methanesulfonate;

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N-[4-(1-acetylN-[4-(1-benzoylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylacetylN-{4-[1-(9-oxo-9H-fluoren-4-carbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-methylsulfonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-{4-[1-(2-naphthylsulfonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-benzylN-(4-{1-[bis(2-chlorophenyl)methyl]piperidin-4-yl}butyl)-3-(pyridin-3-yl)propionamide;
N-{4-[1-(phenylpyridin-3-yl)methyl]piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[1-(9H-fluoren-9-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[1-(6,11-dihydrodibenzo[b,e]oxepin-11-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[1-(1-naphthylaminocarbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylaminocarbonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-{4-[1-(10,11-dihydrodibenzo[b,f]azepin-5-yl-carbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylphosphinoypiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(2-fluoropyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(5-fluoropyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-2-fluoro-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-2,2-difluoro-3-(pyridin-3-yl)propionamide;
N-[5-(1-diphenylmethylpiperidin-4-yl)pentyl]-3-(pyridin-3-yl)propionamide;
N-[6-(1-diphenylmethylpiperidin-4-yl)hexyl]-3-(pyridin-3-yl)propionamide;
N-[2-(1-diphenylmethylpiperidin-4-yl)ethyl]-5-(pyridin-3-yl)pentanoic acid amide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)pentanoic acid amide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-N-hydroxy-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-2-hydroxy-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-hydroxy-3-(pyridin-3-yl)propionamide;
N-[4-(1-diphenylmethylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[4-(1-methylsulfonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(2-naphthylsulfonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(2-naphthylsulfonyl)piperidin-4-yl]butyl}-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[1-(1-naphthylaminocarbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;

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N-[4-(1-diphenylaminocarbonylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylaminocarbonylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[1-(10,11-dihydrodibenzo[b,f]azepin-5-yl-carbonyl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)-acrylamide;
N-[4-(1-diphenylphosphinoylepiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-acetyl)piperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-diphenylacetyl)piperidin-4-yl)-butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(3,3-diphenylpropionyl)piperidin-4-yl]-butyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(1-benzoylpiperidin-4-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-benzoylpiperidin-4-yl)butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[1-(9-oxo-9H-fluoren-4-ylcarbonyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(phevylpyridin-3-ylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(phenylpyridin-4-ylmethyl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(6,11-dihydrodibenzo[b,e]oxepin-11-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[1-(6,11-dihydrodibenzo[b,e]thiepin-11-yl)piperidin-4-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-[7-(1-diphenylmethyl)piperidin-4-yl]heptyl]-3-(pyridin-3-yl)acrylamide;
N-[8-(1-diphenylmethyl)piperidin-4-yl]octyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(1-diphenylmethyl)piperidin-4-yloxy]propyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(1-benzyl)piperidin-4-yloxy]propyl]-3-(pyridin-3-yl)acrylamide;
N-[2-(1-diphenylmethyl)piperidin-4-yl]ethyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[4-(1-diphenylmethyl)piperidin-4-yl]butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[5-(1-diphenylmethyl)piperidin-4-yl]pentyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[6-(1-diphenylmethyl)piperidin-4-yl]hexyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-[4-(4-diphenylmethyl)piprazin-1-yl]-3-hydroxybutyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(4-diphenylmethyl)piperazin-1-yl]propoxy]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-diphenylmethyl)piperazin-1-yl]-4-oxobutyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(4-diphenylmethyl)piperazin-1-sulfonyl]propyl]-3-(pyridin-3-yl)acrylamide;
N-{2-[2-(4-diphenylmethyl)piperazin-1-yl]ethoxy}ethyl]-3-(pyridin-3-yl)acrylamide;
N-(4-{4-[bis(4-fluorophenyl)methyl]}piperazin-1-yl)but-2-enyl]-3-(pyridin-3-yl)acrylamide;
N-(4-{4-[(4-carboxyphenyl)phenylmethyl]}piperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-(4-{4-[(4-aminophenyl)phenylmethyl]}piperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(9H-fluoren-9-yl)piperazin-1-yl]butyl}-2-(pyridin-3-yloxy)acetamide;

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N-{5-[4-(9H-fluoren-9-yl)piperazin-1-yl]pentyl}-3-(pyridin-3-yl)acrylamide;
N-{6-[4-(9H-fluoren-9-yl)piperazin-1-yl]hexyl}-3-(pyridin-3-yl)acrylamide;
3-(pyridin-3-yl)-N-{4-[4-(1,2,3,4-tetrahydronaphthalen-1-yl)piperazin-1-yl]butyl}acrylamide;
3-(pyridin-3-yl)-N-{4-[4-(5,6,7,8-tetrahydronaphthalen-1-yl)piperazin-1-yl]butyl}acrylamide;
N-{4-[4-(naphthalen-1-yl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(4-biphenyl-2-ylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)propionamide;
N-[5-(4-biphenyl-2-ylpiperazin-1-yl)pentyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(4-biphenyl-2-ylpiperazin-1-yl)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-biphenyl-2-ylpiperazin-1-yl)butyl]-2-(pyridin-3-yloxy)acetamide;
N-[4-(4-biphenyl-2-ylpiperazin-1-yl)butyl]-5-(pyridin-3-yl)-2,4-pentadienic acid amide;
N-{4-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)-
propionamide;
N-{5-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]pentyl}-3-(pyridin-3-yl)-
acrylamide;
N-{6-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]hexyl}-3-(pyridin-3-yl)-
acrylamide;
N-{4-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]butyl}-5-(pyridin-3-yl)-
2,4-pentadienic amide;
N-{4-[4-(6,11-dihydrodibenzo[b,e]oxepin-11-yl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{2-[4-(6,11-dihydrodibenzo[b,e]thiepin-11-yl)piperazin-1-yl]ethyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(4-diphenylacetyl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-benzoylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(2-aminobenzoyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(4-carboxybenzoyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(biphenyl-2-carbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(9-oxo-9H-fluoren-4-carbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(furan-2-carbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(naphthalen-1-ylaminocarbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)propionamide;
N-{4-[4-(diphenylaminocarbonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-{4-[4-(naphthalen-2-sulfonyl)piperazin-1-yl]butyl}-3-(pyridin-3-yl)acrylamide;
N-[4-(4-diphenylphosphinonylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-biphenyl-2-ylpiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;

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N-[4-[4-(9H-fluoren-9-yl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)piperazin-1-yl]butyl]-3-(pyridin-3-yl)-acrylamide;
N-[4-(4-phenylpiperidin-1-yl)-butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(1H-indol-3-yl)piperidin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(2-oxo-2,3-dihydrobenzimidazol-1-yl)piperidin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-benzotriazol-1-yl)piperidin-1-yl]butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]-2-(pyridin-3-yloxy)acetamide;
N-[4-(4,4-diphenylpiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-[4-(6,11-dihydrodibenzo[b,e]thiepin-11-yliden)piperidin-1-yl]butyl]-3-(pyridin-3-yl)propionamide
dihydrochloride semi-isopropanol;
N-[4-[4-(6,11-dihydrodibenzo[b,e]thiepin-11-yliden)piperidin-1-yl]butyl]-5-(pyridin-3-yl)pentanamide;
N-[4-[4-(4,9-dihydrothieno[2,3-b]benzo[e]thiepin-4-yliden)piperidin-1-yl]butyl]-3-(pyridin-3-yl)-
propionamide;
N-[4-[4-(4,9-dihydrothieno[2,3-b]benzo[e]thiepin-4-yliden)piperidin-1-yl]butyl]-3-(pyridin-3-yl)-
acrylamide;
N-[4-(4-diphenylphosphinoyloxypiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,4-dioxa-8-azaspiro[4.5]dec-8-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,6-dioxo-4-phenylpiperidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3-dioxo-4,5,6,7-tetraphenyl-1,3-dihydroisoindol-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(3-benzyl-2,4,5-trioxoimidazolidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3,10-trioxo-1,4,5,6,10a-hexahydroacenaphtho[1,8a-c]pyrrol-2-yl)butyl]-3-(pyridin-3-yl)-
acrylamide;
N-[4-(2,5-dioxo-4,4-diphenylimidazolidin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,5-dioxo-3-phenyl-2,5-dihydropyrrol-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[3-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)propyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(3-pyridin-3-ylacryloylamo)butyl]-2,3:5,6-dibenzobicyclo[2.2.2]octan-7,8-dicarboximide;
N-[4-(5-benzyliden-2,4-dioxothiazolidin-3-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(4-benzyl-2,6-dioxopiperazin-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(2,5-dioxo-3,4-diphenyl-2,5-dihydropyrrol-1-yl)butyl]-3-(pyridin-3-yl)propionamide;

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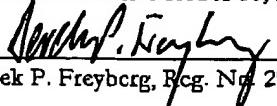
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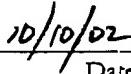
N-[4-(1,3-dioxo-1,3-dihydroisoindol-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)butyl]-3-(1-oxopyridin-3-yl)acrylamide;
N-[6-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[2-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)ethyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[8,8-bis(4-fluorophenyl)octyl]-3-(pyridin-3-yl)acrylamide hydrochloride;
N-[6-(3,3-diphenylureido)hexyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1-phenyl-1,2,4,5-tetrahydrobenzo[d]azepin-3-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-(8,8-diphenyloctyl)-3-(pyridin-3-yl)acrylamide;
N-(8-hydroxy-8,8-diphenyloctyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(3,3-diphenylurrido)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(1H,3H-benzo[de]isoquinolin-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[6-(10,11-dihydrodibenzo[b,f]azepin-5-ylcarbonylamino)hexyl]-3-(pyridin-3-yl)acrylamide;
3-(pyridin-3-yl)-N-[6-tosylaminohexyl]acrylamide;
N-[4-(1,1-dioxo-1-thia-2-azaacenaphthylen-2-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-(6-hydroxy-6,6-diphenylhexyl)-3-(pyridin-3-yl)acrylamide;
N-(6,6-diphenylhex-5-enyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(4,5-diphenylimidazol-1-yl)butyl]-3-(pyridin-3-yl)acrylamide;
N-[4-(trans-2-phenylcyclopropylcarbonylamino)butyl]-3-(pyridin-3-yl)acrylamide;
N-(5-hydroxy-5,5-diphenylpentyl)-3-(pyridin-3-yl)acrylamide;
N-(7-phenylheptyl)-3-(pyridin-3-yl)acrylamide;
N-(4-diphenylacetylaminobutyl)-3-(pyridin-3-yl)acrylamide;
N-[4-(benzhydrylarnino)butyl]-3-(pyridin-3-yl)acrylamide; and
N-(4-{[2-(benzhydrylmethylamino)ethyl]methylamino}butyl)-3-(pyridin-3-yl)acrylamide.

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Derek P. Freyberg, Reg. No. 29,250


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Elf Beidermann et al.	:	Confirmation No.: 7777
App. No.: 09/693,558	:	Art Unit: 1614
Filed: October 20, 2000	:	Examiner: Phyllis G. Spivack
For: Use of vitamin PP compounds		

Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant directs the attention of the Office to the document listed on the attached Form PTO-1449 substitute, that may be relevant to the examination of this application.

The document is the complete article by Pozzilli et al. (document A6 of the IDS filed June 21, 2001) of which only an Erratum was previously supplied.

The Examiner is requested to initial and return a copy of the form with the next communication relating to this application.

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No representation is made by this Information Disclosure Statement that a search has been made; or that the information disclosed is, or is considered to be, material to patentability under 37 CFR 1.56(b).

Respectfully submitted,


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